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Nitrogen
L. Soriano, M. Abbate, J.C. Fuggle, C. Jiménez, J.M. Sanz, L. Galán, C. Mythen and H.A. Padmore, The interaction of nitrogen with titanium studied by soft X-ray absorption spectroscopy: adsorption versus implantation 281 (1993) 120

Oxygen
B.J. Cruickshank, D.D. Sneddon and A.A. Gewirth, In situ observations of oxygen adsorption on a Cu(100) substrate using atomic force microscopy 281 (1993) L308
A.F. Bellman, D. Cvetko, A. Morgante, M. Polli, F. Tommasini, K.C. Prince and R. Rosei, The (2×2) p2mg to (1×2) O/Rh(110) phase transition 281 (1993) L321
M.R. Davidson, G.B. Hoflund and R.A. Outlaw, Electron stimulated desorption of oxygen atoms and ions from an oxidized Ag–Zr alloy surface 281 (1993) 111
Y. Ohno, T. Matsushima and H. Miki, Anisotropy in the spatial distribution of reactive carbon dioxide desorption from narrow terraces on a reconstructed iridium (110)(1×2) surface 281 (1993) 234
K.-I. Fukui, T. Aruga and Y. Iwasawa, Chemisorption of CO and H_2 on clean and oxygen-modified Mo(112) 281 (1993) 241

Palladium
B. Ealet and E. Gillet, Palladium alumina interface: influence of the oxide stoichiometry studied by EELS and XPS 281 (1993) 91
A. Sellidj and B.E. Koel, Growth mechanism and structure of ultrathin Pd films vapor-deposited on Ta(110) 281 (1993) 223

Photodesorption
D. Liu, R.G. Albridge, A.V. Barnes, P.H. Bunton, C.S. Ewig, N.H. Tolk and M. Szymonski, The desorption of excited atoms by photon bombardment of alkali halide crystals 281 (1993) L353

Photoelectron spectroscopy
V.Yu. Aristov, M. Bertolo, P. Althainz and K. Jacobi, The Ag/n-InSb(110) interface at 10 K: first observation of an anomalous Fermi-level pinning 281 (1993) 74
E. Lundgren, J.N. Andersen, M. Qvarford and R. Nyholm, Layer dependent core level binding energy shifts: Na, K, Rb and Cs on Al(111) 281 (1993) 83
B. Ealet and E. Gillet, Palladium alumina interface: influence of the oxide stoichiometry studied by EELS and XPS 281 (1993) 91
J.C. Bertolini, J.L. Rousset, P. Miegge, J. Massardier, B. Tardy, Y. Samson, B.C. Khanra and C. Creemers, Surface segregation study of a dilute Pd_1Fe_{99} alloy by LEIS and XPS 281 (1993) 102
J.W. Erickson, W.M. Theis, T. Cole, A.K. Green and V. Rehn, Erratum to "A photoemission study of coherently strained $In_xGa_{1-x}/InP(100)$" [Surface Science 274 (1992) 363] 281 (1993) 220
U. Grosche, H. Hamadeh, O. Knauff, R. David and H.P. Bonzel, Orientation of adsorbed ethylene oxide on Ni(110) by X-ray photoelectron diffraction 281 (1993) L341

Platinum
A. Tonscheidt, P.L. Ryder, N.I. Jaeger and G. Schulz-Ekloff, Orientation and morphology of iridium, rhodium and platinum nanocrystals in zeolite X 281 (1993) 51
R.J. Smith, A. Kara and S. Holloway, A molecular dynamics study for the trapping and scattering of Ar/Pt(111) 281 (1993) 296

Rhodium
A.F. Bellman, D. Cvetko, A. Morgante, M. Polli, F. Tommasini, K.C. Prince and R. Rosei, The (2×2) p2mg to (1×2) O/Rh(110) phase transition 281 (1993) L321
W. Liu, J.R. Lou and K.A.R. Mitchell, LEED crystallographic studies for the Rh(100)-p(2×2)-S and Rh(100)-c(2×2)-S surface structures 281 (1993) 21
C.J. Barnes, A. Wander and D.A. King, A tensor LEED structural study of the coverage-dependent bonding of iodine adsorbed on Rh{111} 281 (1993) 33
A. Wander, C.J. Barnes, L.D. Mapledoram and D.A. King, Structural transitions in ultra-thin nickel films on Rh{111} 281 (1993) 42
A. Tonscheidt, P.L. Ryder, N.I. Jaeger and G. Schulz-Ekloff, Orientation and morphology of iridium, rhodium and platinum nanocrystals in zeolite X 281 (1993) 51

Silicon
D.G. Li, N.S. McAlpine and D. Haneman, Surface barriers and potentials from luminescence on cleaved Si, GaAs, and InP 281 (1993) L315
Y. Yamamoto, RHEED–TRAXS study of superstructures induced by Ge and Sn adsorption on a Si(110) surface 281 (1993) 253

Silver
V.Yu. Aristov, M. Bertolo, P. Althainz and K. Jacobi, The Ag/n-InSb(110) interface at 10 K: first observation of an anomalous Fermi-level pinning 281 (1993) 74
B.N.J. Persson, Polarizability of small spherical metal particles: influence of the matrix environment 281 (1993) 153
K. Fukutani, Promotion of epitaxial growth of Ge by Ag and Pb deposited on a clean Ge(111) surface 281 (1993) 285

Solid–electrolyte interface
B.J. Cruickshank, D.D. Sneddon and A.A. Gewirth, In situ observations of oxygen adsorption on a Cu(100) substrate using atomic force microscopy 281 (1993) L308

Sulphur
W. Liu, J.R. Lou and K.A.R. Mitchell, LEED crystallographic studies for the Rh(100)-p(2 × 2)-S and Rh(100)-c(2 × 2)-S surface structures 281 (1993) 21

Superlattices
M. Shinn, P.B. Mirkarimi and S.A. Barnett, Nucleation of lattice-mismatched transition-metal nitride films: limitations on superlattice growth 281 (1993) 1

Surface defects
P. Molinàs-Mata and J. Zegenhagen, Defects of Ge(111)-c(2 × 8) – structural and electronic characterization 281 (1993) 10

Surface diffusion
W. Selke and T. Bieker, Morphological changes of periodic surface profiles 281 (1993) 163
R. Ferrando and E. Scalas, Self-diffusion in a 2D lattice gas with lateral interactions 281 (1993) 178

Surface energy
B.D. Todd and R.M. Lynden-Bell, Surface and bulk properties of metals modelled with Sutton–Chen potentials 281 (1993) 191

Surface melting
B.D. Todd and R.M. Lynden-Bell, Surface and bulk properties of metals modelled with Sutton–Chen potentials 281 (1993) 191
Y. Teraoka, A theoretical study of melting 281 (1993) 317

Surface roughness
R. Vanselow and X.Q.D. Li, Roughening transitions in the vicinal areas of Ta{110} and Ta{100} observed during vapour growth on clean, thermally rounded Ta crystallites 281 (1993) L326

Surface segregation
J.M. Bugnard, R. Baudoing-Savois, Y. Gauthier and E.K. Hill, The (110) surface of the disordered $Pt_{25}Co_{75}$ alloy: a sandwich of almost pure monoatomic layers 281 (1993) 62
J.C. Bertolini, J.L. Rousset, P. Miegge, J. Massardier, B. Tardy, Y. Samson, B.C. Khanra and C. Creemers, Surface segregation study of a dilute Pd_1Fe_{99} alloy by LEIS and XPS 281 (1993) 102

Surface stress
B.D. Todd and R.M. Lynden-Bell, Surface and bulk properties of metals modelled with Sutton–Chen potentials 281 (1993) 191
J.W. Erickson, W.M. Theis, T. Cole, A.K. Green and V. Rehn, Erratum to "A photoemission study of coherently strained $In_xGa_{1-x}/InP(100)$" [Surface Science 274 (1992) 363] 281 (1993) 220

Surface structure, see also Low energy electron diffraction
B.J. Cruickshank, D.D. Sneddon and A.A. Gewirth, In situ observations of oxygen adsorption on a Cu(100) substrate using atomic force microscopy 281 (1993) L308
A.F. Bellman, D. Cvetko, A. Morgante, M. Polli, F. Tommasini, K.C. Prince and R. Rosei, The (2×2) p2mg to (1×2) O/Rh(110) phase transition 281 (1993) L321
W. Liu, J.R. Lou and K.A.R. Mitchell, LEED crystallographic studies for the Rh(100)-p(2×2)-S and Rh(100)-c(2×2)-S surface structures 281 (1993) 21
C.J. Barnes, A. Wander and D.A. King, A tensor LEED structural study of the coverage-dependent bonding of iodine adsorbed on Rh{111} 281 (1993) 33
A. Wander, C.J. Barnes, L.D. Mapledoram and D.A. King, Structural transitions in ultra-thin nickel films on Rh{111} 281 (1993) 42
T.T. Tran, S. Thevuthasan, Y.J. Kim, D.J. Friedman, A.P. Kaduwela, G.S. Herman and C.S. Fadley, Photoelectron diffraction and photoelectron holography study of a Ge(111) high-temperature surface phase transition 281 (1993) 270

Tantalum
R. Vanselow and X.Q.D. Li, Roughening transitions in the vicinal areas of Ta{110} and Ta{100} observed during vapour growth on clean, thermally rounded Ta crystallites 281 (1993) L326
A. Sellidj and B.E. Koel, Growth mechanism and structure of ultrathin Pd films vapor-deposited on Ta(110) 281 (1993) 223

Thermal desorption
Y. Ohno, T. Matsushima and H. Miki, Anisotropy in the spatial distribution of reactive carbon dioxide desorption from narrow terraces on a reconstructed iridium (110)(1×2) surface 281 (1993) 234
K.-I. Fukui, T. Aruga and Y. Iwasawa, Chemisorption of CO and H_2 on clean and oxygen-modified Mo(112) 281 (1993) 241

Tin
Y. Yamamoto, RHEED–TRAXS study of superstructures induced by Ge and Sn adsorption on a Si(110) surface 281 (1993) 253

Titanium
L. Soriano, M. Abbate, J.C. Fuggle, C. Jiménez, J.M. Sanz, L. Galán, C. Mythen and H.A. Padmore, The interaction of nitrogen with titanium studied by soft X-ray absorption spectroscopy: adsorption versus implantation 281 (1993) 120

Tunneling
G. Watel, F. Thibaudau and J. Cousty, Direct observation of long chain alkane bilayer films on graphite by scanning tunneling microscopy 281 (1993) L297
F. Thibaudau, G. Watel and J. Cousty, Scanning tunneling microscopy imaging of alkane bilayers adsorbed on graphite: mechanism of constrast 281 (1993) L303

M. Shinn, P.B. Mirkarimi and S.A. Barnett, Nucleation of lattice-mismatched transition-metal nitride films: limitations on superlattice growth 281 (1993) 1
P. Molinàs-Mata and J. Zegenhagen, Defects of Ge(111)-c(2 × 8) – structural and electronic characterization 281 (1993) 10
M.J. Gallagher, D. Chen, B.P. Jacobsen, D. Sarid, L.D. Lamb, F.A. Tinker, J. Jiao, D.R. Huffman, S. Seraphin and D. Zhou, Characterization of carbon nanotubes by scanning probe microscopy 281 (1993) L335

X-ray absorption
L. Soriano, M. Abbate, J.C. Fuggle, C. Jiménez, J.M. Sanz, L. Galán, C. Mythen and H.A. Padmore, The interaction of nitrogen with titanium studied by soft X-ray absorption spectroscopy: adsorption versus implantation 281 (1993) 120

X-ray diffraction
M. Shinn, P.B. Mirkarimi and S.A. Barnett, Nucleation of lattice-mismatched transition-metal nitride films: limitations on superlattice growth 281 (1993) 1

Zeolites
A. Tonscheidt, P.L. Ryder, N.I. Jaeger and G. Schulz-Ekloff, Orientation and morphology of iridium, rhodium and platinum nanocrystals in zeolite X 281 (1993) 51
L. Scandella, N. Kruse and R. Prins, Imaging of zeolite surface structures by atomic force microscopy 281 (1993) L331